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MODIX HD-3520

Warnings and Safety Instructions

This section describes precautions that should be observed in order to prevent injury to the user and damage to property, and to ensure safe use of the product. Be sure to observe the following items when using the product not to cause malfunction.

Safety precautions

- The Product may generate heat when used for long periods of time.
- Use only the AC Power Adapter supplied with the player and plug cables in properly.
- Do not handle, shake or try to remove this Product while writing and reading data.
- Do not bend, apply excessive pressure, or place heavy objects on this product.
- Do not attempt to disassemble this Product. Doing so may cause fire, electric shock or electrical leakage, and defectiveness in the product itself.
- In the event of unusually abnormal sounds, strange orders or smoke, stop using this product immediately. Please shut down your computer and peripheral devices promptly.
- Do not use this product if wet or exposed to chemicals, oil or any liquid matter.
- Do not expose this product to the following conditions:
 - Strongly vibration or shock
 - Direct sunshine
 - Dusty, hot and/or humid conditions
 - Extreme temperature fluctuations
 - Near magnetic fields

Operation reminder

<< For Hard Disc >>

- Regular backup is recommended to preserve and store your valuable data.
- We are not responsible for data deletion, damage, or any consequences caused by improper handling or data storage.
- If the player is disconnected suddenly during file transfer, it may case data loss and an error (BAD sectors) on the player. If this happens, attach the player to your PC and run the Windows Scan Disk utility to fix the error.

<< For Car Use >>

- Use only optional car adapter sold by us when you use MODIX MediaPlayer in a car. Use of generic car adaptor will cause unpredicted results in circuits and will cause noise on the screen.

Introducing

Thanks you for your choice of this exciting MODIX product.

MODIX HD-3520 is a Portable Digital Multimedia Storage Device and Player that you can connect to any PC or Mac via USB-2 (plug & play) in order to copy your favorite contents (music, movies, pictures, data files). Once you have transferred your data to MODIX, you can connect it to any TV to enjoy your movies, music and photos. Also you can watch your favorite films in HDTV quality Video and Dolby Digital or DTS quality Audio. MODIX has a pocket design that lets you take it wherever you go.

This guide will explain to you the functions of the MODIX. Our engineers have packed this product with many functions and capabilities. The better you know how to use it, the more enjoyment you will get from it.

Huge capacity Movie tank

MODIX HD-3520 lets you store movies, TV shows, music videos and more into its HDD and view them directly on a TV or Projector at anytime, anywhere. MODIX is able to play MPEG-4 video in DVD quality. Also you can enjoy inside of your car during driving and vacation using car power adaptor.

Multi-codec Music Player

MODIX features a newly designed music player that plays MP3, WMA, AAC, AC3, DTS, WAV and ASF music files at anytime, anywhere... no computer needed.

Digital Photo Viewer and Wallet

MODIX can also store digital photo files and display them from TV or projector. Store JPEG photos directly from a PC or Macintosh computer through the USB 2.0 interface and enjoy a slide show for your family and friends without using a computer. PowerPoint files can also be converted into JPEG files and use at office presentation.

Convenient Portable Storage Device

MODIX is seen as an additional drive on your computer (PC or Macintosh). By utilizing its high capacity 3.5" Hard Disk, store any computer file using the USB 2.0 interface at 480Mbps transfer speed, which is also USB 1.1 compatible.

"USB2.0 Host Compatible" Your iPod and PSP will be Video/Photo Database Here

MODIX MediaPlayer has a USB2.0 port in back. You might be a MP3 music fan with an iPod. Also you might be a movie lover with PSP. You can enjoy listening music, and after going back home, you just insert to this MODIX MediaPlayer USB port. MODIX MediaPlayer can display out any video files for your relax time. MODIX MediaPlayer USB function supports a digital camera, USB Memory, Hard Disk, Memory Reader, Writer, MP3 player or USB storage devices. USB 2.0 high speed performance & regular formats NTFS/FAT supported. MODIX MediaPlayer is the USB mass-storage STB pioneer.



MODIX HD-3520

"High Definition" 1080p/ 720p Large Video Playback

MODIX MediaPlayer can support HD mode for movie fans. The main chip (Sigma Designs EM8620L) decodes a real high resolution video (no scaling). You can enjoy a movie theater quality video on the big HD screen. Also can playback Microsoft Windows Media®Video (WMV9), not only MPEG1/2/4/ DivX®. WMV HD, DivX®HD, and MPEG2-TS (HD 720p) can be played as HD quality. And DVD-ROM and DVD Video, which are created by DVD+R, DVD+RW, DVD-R or DVD-RW, are compatible.

Convenient LCD display on the device for easy navigation

Luxurious high definition backlit LCD, 128*128 dots 4gray full graphics LCD is provided for you to view various information about the file you are playing. When you play music files, you can view the information of the file without any external TV or Monitor.

DVD (.ISO) Compatibility

ISO is One Image file backup of the complete DVD. MODIX will play the ISO file exactly the same as if it was running from the original DVD.

Built-in FM Transmitter (Optional)

Let you listen music and audio over any FM tuner and speaker setup, without clumsy or constricting cable hookup. It's the perfect way to simply and efficiently listen to MP3s and other formats in the comfort of your car or living room.

Easy Firmware Upgrade

You will be able to upgrade to the latest updated features via firmware upgrade and can be downloaded from MODIX homepage.

Special Features

Stylish Midnight Black & Ice Silver Color

High quality design and fits perfectly in the living room

Easy to operate via infrared remote control and navigation buttons

Changeable Background skin

Colorful SMI subtitle & Password lock on file / folder Bookmark & Resume

Support M3U Playlist

Support MPEG-2 file more than 2GB size

Support NTFS/FAT32 HDD file system

Optional portable car A/V kit supplied (Cigar jack)

We wish you many years of enjoyment from MODIX MediaPlayer. Don't forget to check our web site: www.modix.co.kr, as we periodically update the internal operating software (Firmware) to offer new functions and improved features.

Wishing you the best Video, Music, and Photo experience.

DTS INFOCOM CO., LTD.

MODIX HD-3520



System Requirements and Specifications

System Requirements

Supported OS	Windows XP, Windows Me, Windows 2000 Professional, Windows 98 Second Edition	
ENVIRONMENT REQUIRED	Support HDD	Compatible with 3.5" IDE HDD Disc ☆ No HDD Disc included in this model ☆ Support FAT32, NTFS file format system.
	TV System	North America Model: NTSC / Europe Model: PAL

Specifications

Interface		
Video Connections	Composite	× 1
	Component	× 1 (Progressive Scan) 1080i / 720p / 480p
	S-VIDEO	× 1
Audio Connections	Analog Audio Output (L/R Stereo PCM)	× 1
	Optical Digital Audio Output for DTS/Dolby digital output	× 1
USB Interface	USB Spec	USB 2.0(High Speed, Full Speed:Max.480Mbps)
	Connector Type	USB Mini-B Type × 1, USB HOST × 1
※ When used in USB1.1 mode, transfer speed is so slow		
FM Transmitter*	88.0 ~ 99.8 MHz	
Ext. Remote Extender*	Length 5M	

* Supplied as optional purchasing.



MODIX HD-3520

System Requirements and Specifications

Support Format	
Video	MPG, MPEG, AVI, DIVX, WMV9 OVER, VOB, MP4, M4P, M2T, M2P, M1V, M4V, TS, TRP, TP ※ Note that some files may not be played properly.
Audio	MP2, MP3, RPCM, WMA, AC3, MPA, WAV, AAC, DTS
Photo	JPEG, PNG
Subtitle	SMI, SMIL, SRT, TXT, SUB, IMG SUB
Environmental Specifications	
Rating Power Voltage	AC 100~240V±10% ; 50/60Hz / External AC/DC Adapter
AC output current (converted power)	DC+12V, 3.33A
Power consumption	Max. 10W
Operation Temperatures (°C)	5~35 °C
Operation Humidity (%)	20~80%
Unit Dimension	128(W)×205(D)×40mm(H)
Mass	Approx. 350g (without Adaptor)

Checking the items in the Package

Select the check boxes to confirm that all items are included in the package.

Standard Package Contents

- MODIX HD-3520 MediaPlayer (*No HDD Disc included)
- Stand
- Infrared Remote Control including AA batteries*2
- Power adaptor with automatic voltage changeover 110/220V
- USB 2.0 High Speed Cable (A to mini B)
- AV Cable (Composite& 2CH Audio RCA)
- S-VIDEO Cable
- Component Cable Gender
- Carrying Bag
- Screw Bag for enclosure and HDD (8pcs)
- Instruction Manual for Use of HD-3520

Optional Accessories

- YPbPr AV Cable for HDTV (YPbPr Color Component Video - 3 RCA)
- SPDIF Optical Cable Gender (RCA to mini-jack).
- Car Power Adaptor
- IR Remote Extender (5M)
- Cassette Audio output
- FM wireless transmitter board

★ Keep the box and packing material in a safe place and use them when transporting the product for the purpose of repair or other service.

Software

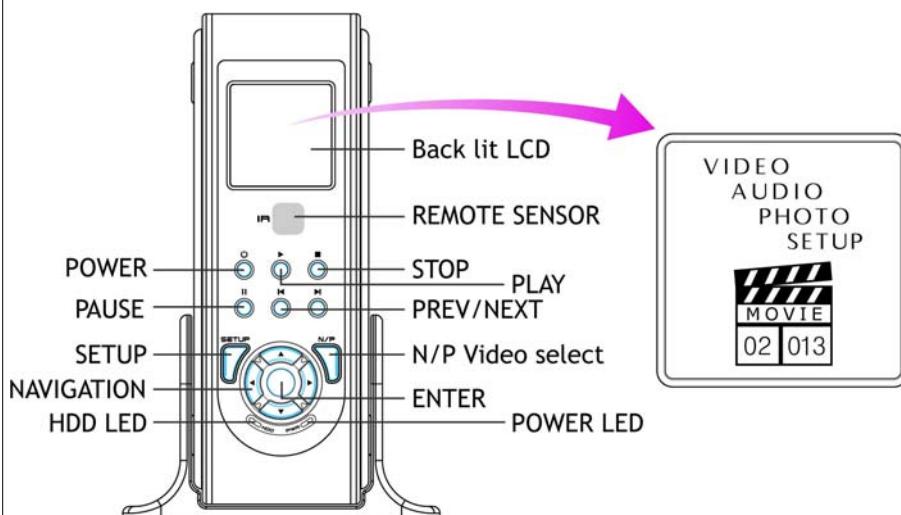
- USB 2.0 driver for Windows 98
- Latest Firmware
- MODIX Manager for codec converting
- FAT32 Formatter

★ Download all the softwares from our web site www.modix.co.kr before use.



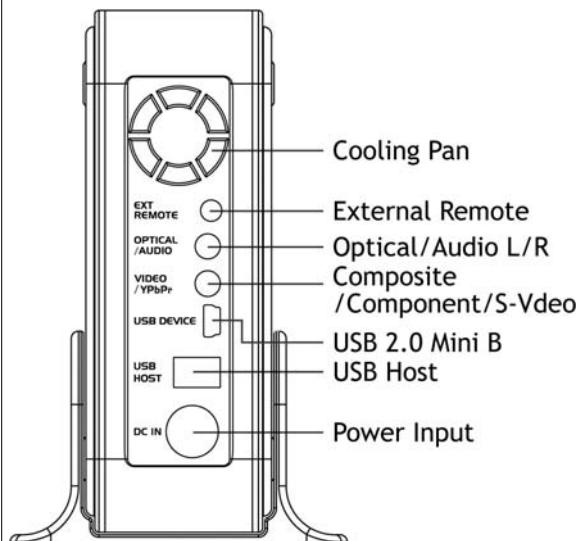
MODIX HD-3520

Front View



- ① IR : Aim remote controller to this Remote control Sensor.
- ② HDD : Blinks during hard disk activity.
- ③ PWR : Yellow when in stand-by mode and red when power on.

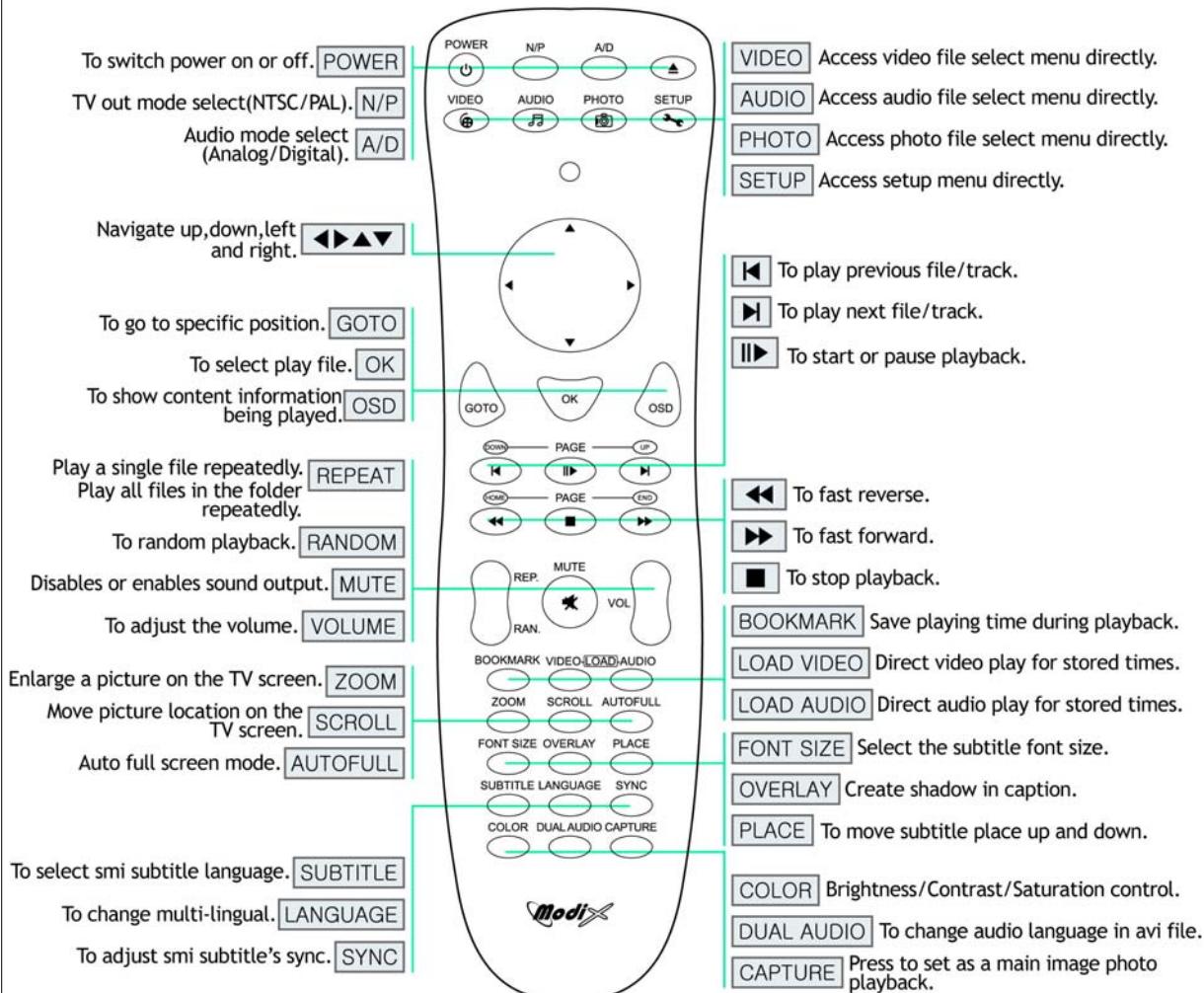
Rear View



- ① EXT REMOTE: Connect optionally purchased Remote Extender Cable for easy car use
- ② OPTICAL/ AUDIO : Connect analog audio or Optical digital audio cables.
- ③ VIDEO/ YPbPr : Connect composite or Component or S-Video cables
- ④ USB DEVICE : Connect to a PC or Mac, it is the USB 2.0 port for data transferring.
- ⑤ USB HOST : Connect USB devices (MP3P, Digital Camera, ODD, Memory Stick..) directly without PC.
- ⑥ DC IN(DC+12V) : Connect provided 12V power adaptor for TV out put.

Name of each part

Remote Controller



* Bookmark, Capture, Password functions are only supported to FAT32 HDD Format.

<< Set the batteries >>

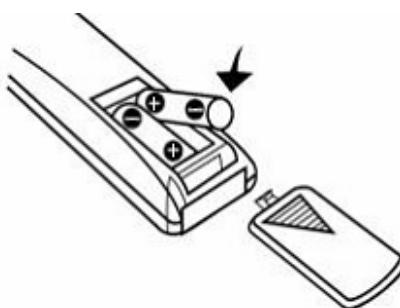
①. Open the battery cover.

②. set the batteries as shown right.

Check if batteries are inserted correctly.

③. Install the battery cover again.

The Battery is AA standard.



<< Using Remote Control >>

Locate the remote control toward the reception sensor and works within 7m and 45° radius toward each side from the reception sensor of the set.

When the remote becomes insensitive, please replace a new battery.

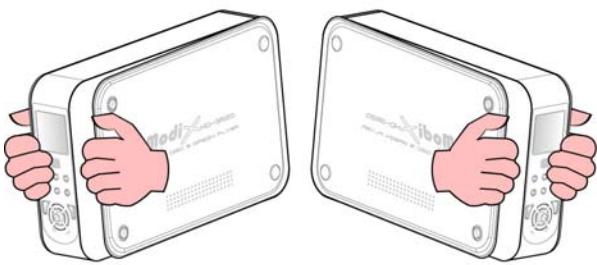


MODIX HD-3520

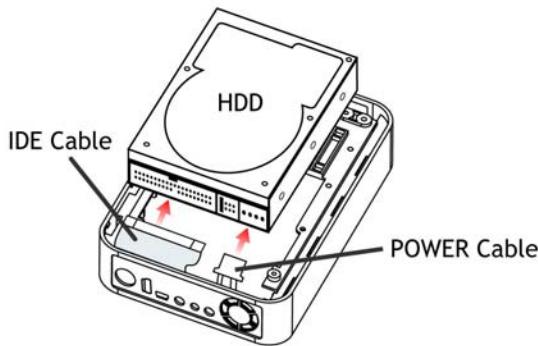
Installment of Hard Drive

⚠ No hard drive included in this model and prepares compatible 3.5"IDE hard drive more than 40GB capacity.

1 Open case cover of the MODIX from front side as shown below.



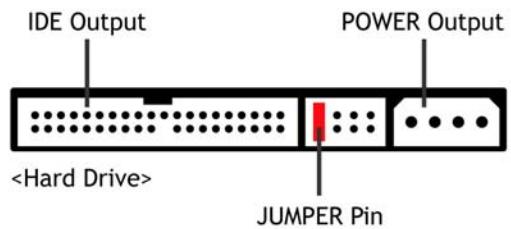
3 Plug the IDE cable and POWER cable into the appropriate port of ensuring that they fit securely.



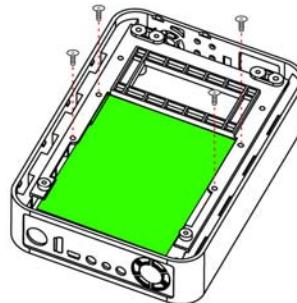
5 Carefully cover the hard drive with the top cover again using the four retaining screws.



2 Prepare HDD Drive and set jumper pin for the hard drive as MA(Master) or SI(Single). Refer to hard manufacture's manual for the jumper setting.



4 Position the hard drive onto the Enclosure base unit carefully.

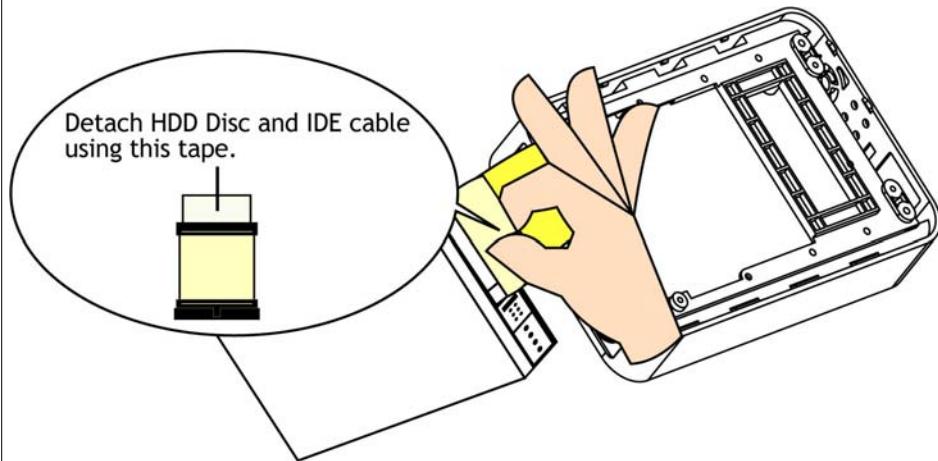


* After installment of Hard Drive, please refer to next chapter of "Connection to PC" carefully.

Separation of Hard Drive

- ①. Uncover the top case releasing the four screws.
- ②. Separate the hard drive pulling out attached tape carefully as shown below.

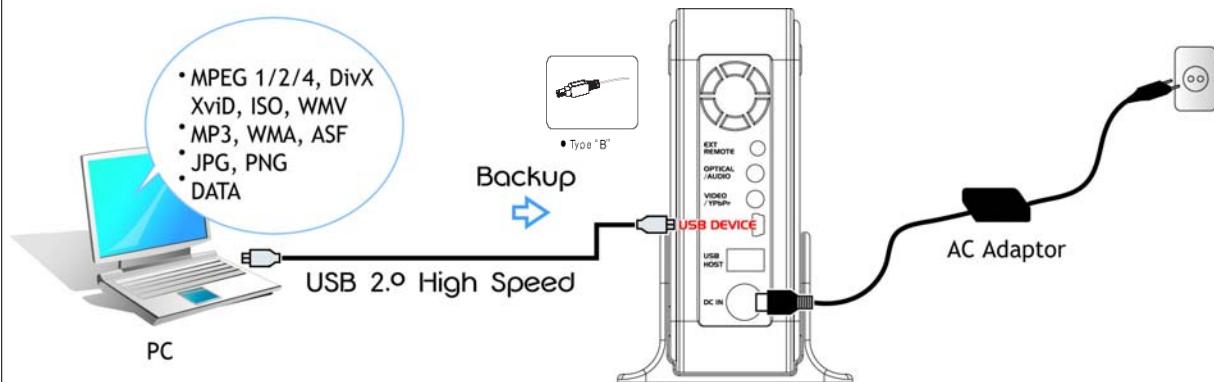
 Power off to prevent risks of electric shock.



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Connect MODIX HD-3520 to the PC

Use only the AC Power Adapter supplied with the player. The AC operating voltage of this player is 110~240V,50~60Hz.



- ①. Connect the adapter to the DC jack on the player and into an AC outlet.
- ②. Connect USB cable to the USB jack on the player and PC's USB port.
- ③. Your system will automatically recognize as an external hard disk and you can see a [removable drive] icon shown by double clicking [my computer]. If it is the first time you connect the drive to PC, you can wait several seconds for the computer to recognize the new hardware and install it automatically.
- ④. If not, check again that the USB connector is securely inserted or format hard drive according to below instruction [Format the HDD].
- ⑤. You can copy any file(s) you want (music, movies, pictures) and of course ANY kind of data.

Windows 98 SE and ME are required to install [USB2.0 driver] downloaded from MODIX website.

So we suggest users to use Windows XP and above higher operation system.

In order to have maximum transfer rate and reliability, use only the USB-2 cable provided in this package.

Disconnect USB connection

- ①. Click the 'Safely Remove Hardware' icon in the System Tray and a [Stop USB Mass Storage Device-Drive] message will pop up.
- ②. Select USB hard disk, and click [stop]. A pop-up message will appear again and click [OK].
- ③. Wait for few minutes. The system will show that you are safe to unplug the device, Then you can unplug USB connection.
- ④. Refer to "Connect to the TV" to enjoy data files copied to hard drive.

! Do not disconnect the player while the drive is in use. Complete any file copying activity before attempting to disconnect from your PC.

Format the Hard Drive

If you are a new hard drive user or when you turn on the player, the MODIX logo appears and do not turn to Video /Audio /Photo select mode, please make a new partition and format hard drive.

Owing to limitation of NTFS hard partition, we recommend you to format as FAT32.

★ If you want to create more than 2 partitions, please set hard drive partition as primary both and cluster size as FAT - 32K, NTFS - 4K using PartitionMagic® or PartitionExpert® software.

Formatting Hard Drives in External Enclosures

<< FAT32 FORMAT PROGRAM >>

Download 「FAT32 Format Program」 from our web site and format HDD Disc connecting USB cable before you connect to your AV system then you can use a hard drive easily which is formatted as FAT32 system on Windows XP.

<< Windows 98SE/ Windows ME >>

The tool used here is the called 'DOS command prompt' and 'fdisk'. You can find this by going to 'Start/ Program Files/ Accessories' and click on "MS-DOS" or you can use the 'Run application and directly type 'fdisk'.

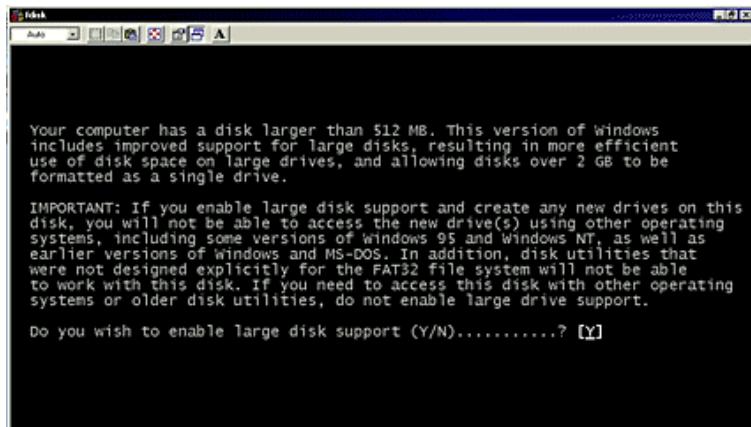
- ①. The first window will be the blank MS-DOS command window. Type 'fdisk' without the marks and press 'ENTER'. Skip this step if you typed 'fdisk' directly into the 'Run' application.



MODIX HD-3520

Connect to the PC

②. Select 'Y' to enable the large disk support and press 'ENTER'.



③. Enter '5' to change the current disk drive and press 'ENTER'.

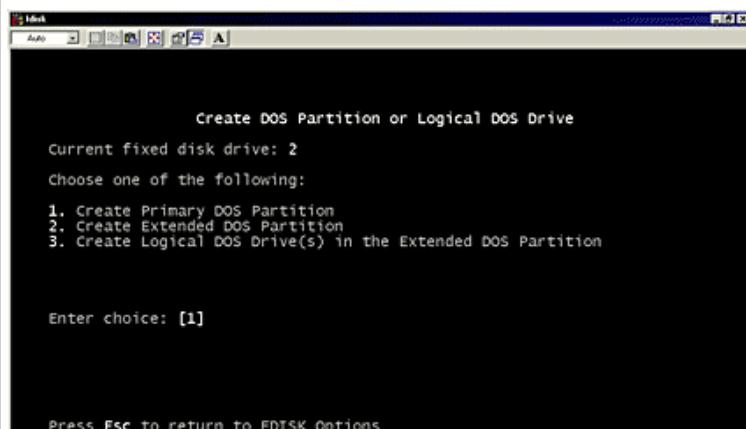
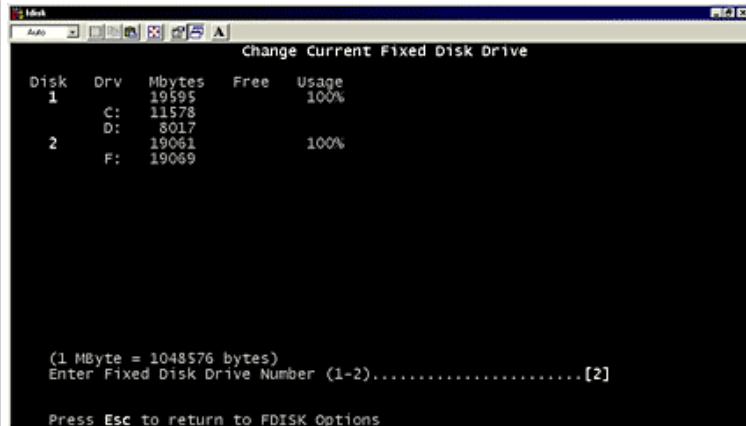


④. Select the drive you want to install and format, in this example disk '2' but note that this may vary from your setup!

- ✿ If you can not see the external hard drive at this point, please check your jumper settings, cable connection, power supply and if required, the driver installation.
- ✿ For 2.5" Hard Drive, you can also connect the drive directly to your internal IDE bus if you encounter problems with the external drive and install it later formatting.

Connect to the PC

⑤. Choose '1' to create a primary DOS partition and follow the on screen instructions. After you have created the partition according to your requirement, close the MS-DOS command prompt by typing 'exit' and press 'ENTER'.



⑥. Restart your Computer and then go to 'My Computer'. The new drive should appear and you will be prompted to format it after double clicking on the drive icon. Choose FAT32 and full format, type a name and format the drive.

You external drive is now ready to use!

⚠ FAT32 can be used on most Operating Systems including Win98 SE, WinME, Win2000, WinXP, Mac OS 9, Mac OS X and Linux Systems.



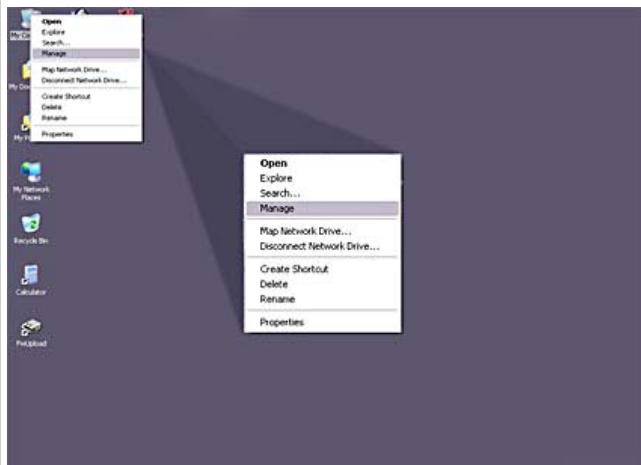
MODIX HD-3520

Connect to the PC

<< Windows 2000/ Windows XP >>

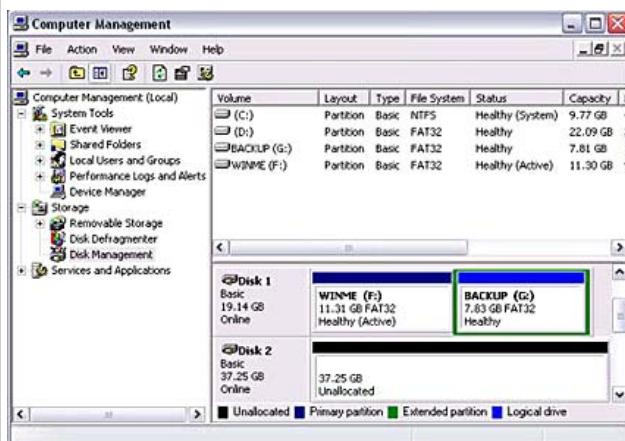
The tool used here is the so called 'Disk Management' application. You can find this by right clicking on 'My Computer', then choosing 'Manage' and 'Disk Management'. The alternative is to go to 'Start/ Control Panel/ Administrative Tools/ Computer Management'.

- ①. Select 'My Computer', right click on it and choose 'Manage'.



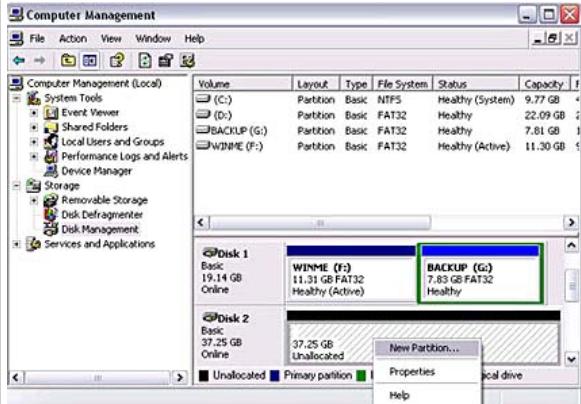
- ②. Select 'Disk Management'

- ♀ If you can not see the external hard drive at this point, please check your jumper settings, cable connection, power supply and if required, the driver installation.
- ♀ For 2.5" Hard Drives, you can also connect the drive directly to your internal IDE bus if you encounter problems with the external drive and install it later after formatting.



Connect to the PC

③. Choose the drive you want to install and right click on it for further commands. Click on the gray field on the left side to initialize the drive or click on the empty field on the right side to create a partition.



④. Follow the Partition Wizard and setup the hard drive as Primary hard drive.

Choose FAT32 or NTFS and format the drive and set the cluster size FAT32 as 32K, NTFS as default(4k) when you format hard drive.



⑤. Go to 'My Computer'. The new drive should appear.

Your external drive is now ready to use!

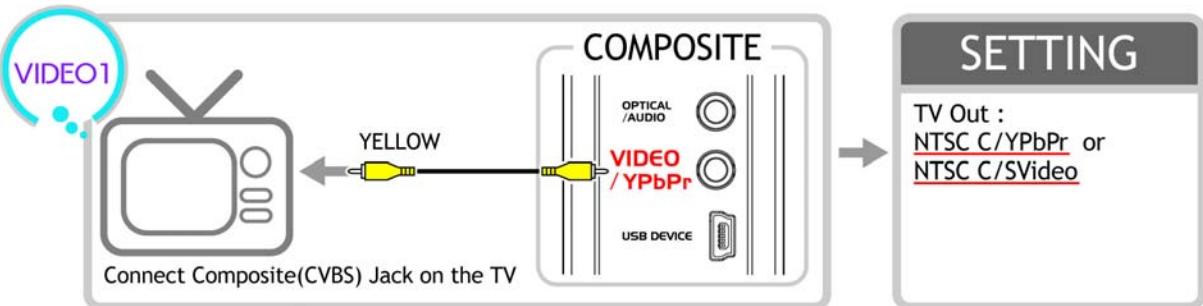
💡 **FAT32 can be used on most Operating Systems** including Win98SE, WinME, Win2000, WinXP, Mac OS 9, Mac OS X and Linux Systems. The only restriction if formatted on Win2000 or WinXP is that the largest size for a single partition has to be 32GB or smaller.
To create a single partition larger then 32GB(using FAT32) has to be done on WinME.
NTFS can only be used on Win2000 or WinXP. There is no size restriction for NTFS, you can create a single partition even for large drives over 200GB(this might take a while!).



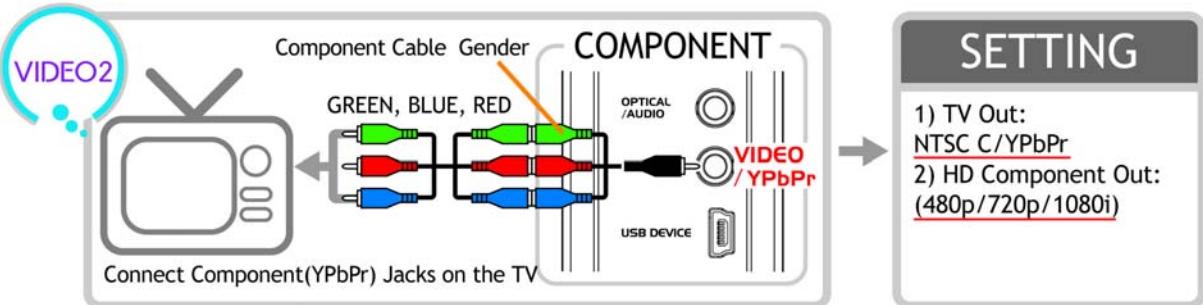
MODIX HD-3520

Connecting the Video cables to TV

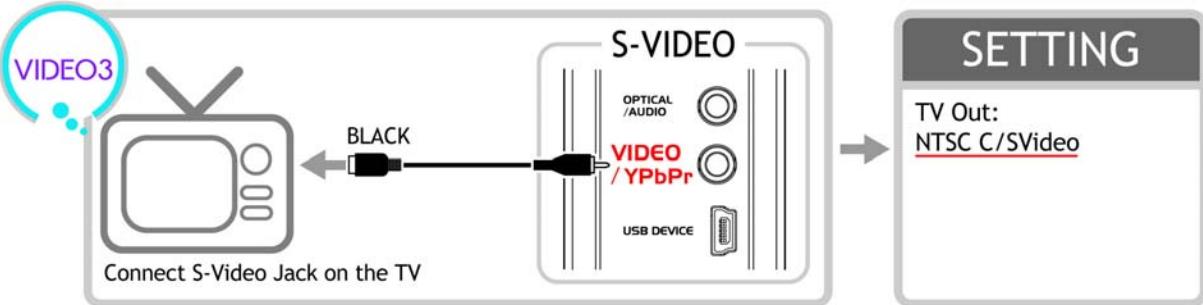
Connect only one capable video cable directly to your TV system and set your TV as **AV INPUT MODE**. Its connection depends on the outlets available on your TV set. Plug the Power Supply adaptor to the MODIX and then into the electrical outlet.



◊ **Composite (CVBS)** : An easy way of transferring video signals. connect yellow video cable to Player's [VIDEO/YPbPr] output and TV's [CVBS] output.



◊ **Component(YPbPr)** : HD component and Progressive Scan output are available and require a special type of cable[Y(green), Pb(blue) and Pr(red)] and TV set.(Not supplied)

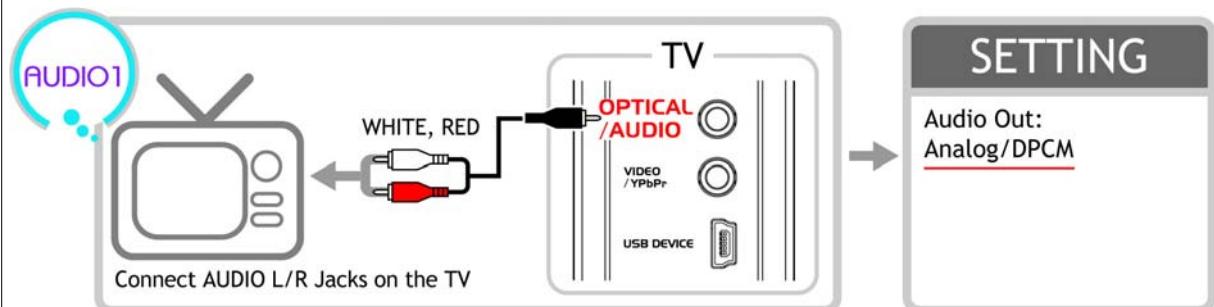


◊ **S-VIDEO** : Another way of connecting to the TV set and picture quality is better than CVBS.
* If TV display is black and white, set the video mode as NTSC/ S-Video.

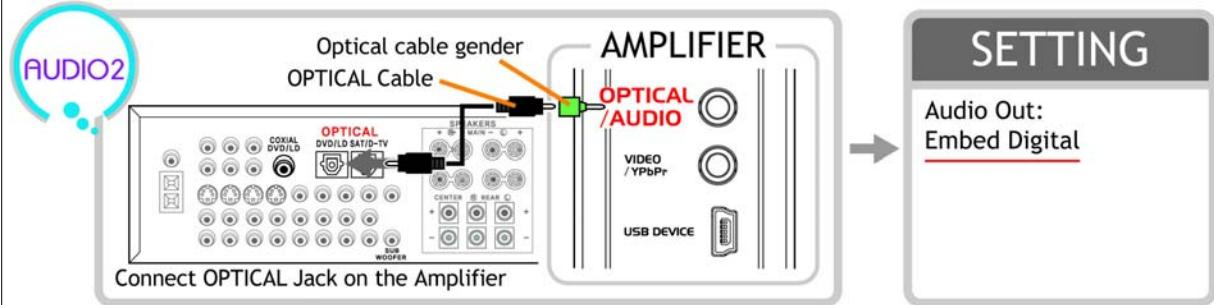
Connection of TV/HiFi

Connecting the Audio cables to TV/Amplifier

Connect only one audio cable type directly capable to your AV system. Connection depends on the outlets available on your AV set.



◊ **AUDIO OUT(L/R) jacks:** To hear the sound of this Player through your TV, connect the audio cables(white/red) to the AUDIO IN jacks on the TV.



◊ **OPTICAL:** In case you have a Home Theater, you can connect the included SPDIF Coaxial Cable to your audio system in order to gain enhanced audio quality. The digital 5.1 channel connection provides the best sound quality. It requires a A/V receiver that supports AC3 and DTS audio formats. Connect the Player's digital audio outlets(optical) to the corresponding input on the amplifier. Special cables are required for this purpose and change the player's settings on the "AV settings" menu. Refer to your amplifier's instruction manual for more information on correct setup and cables are not included in the package.

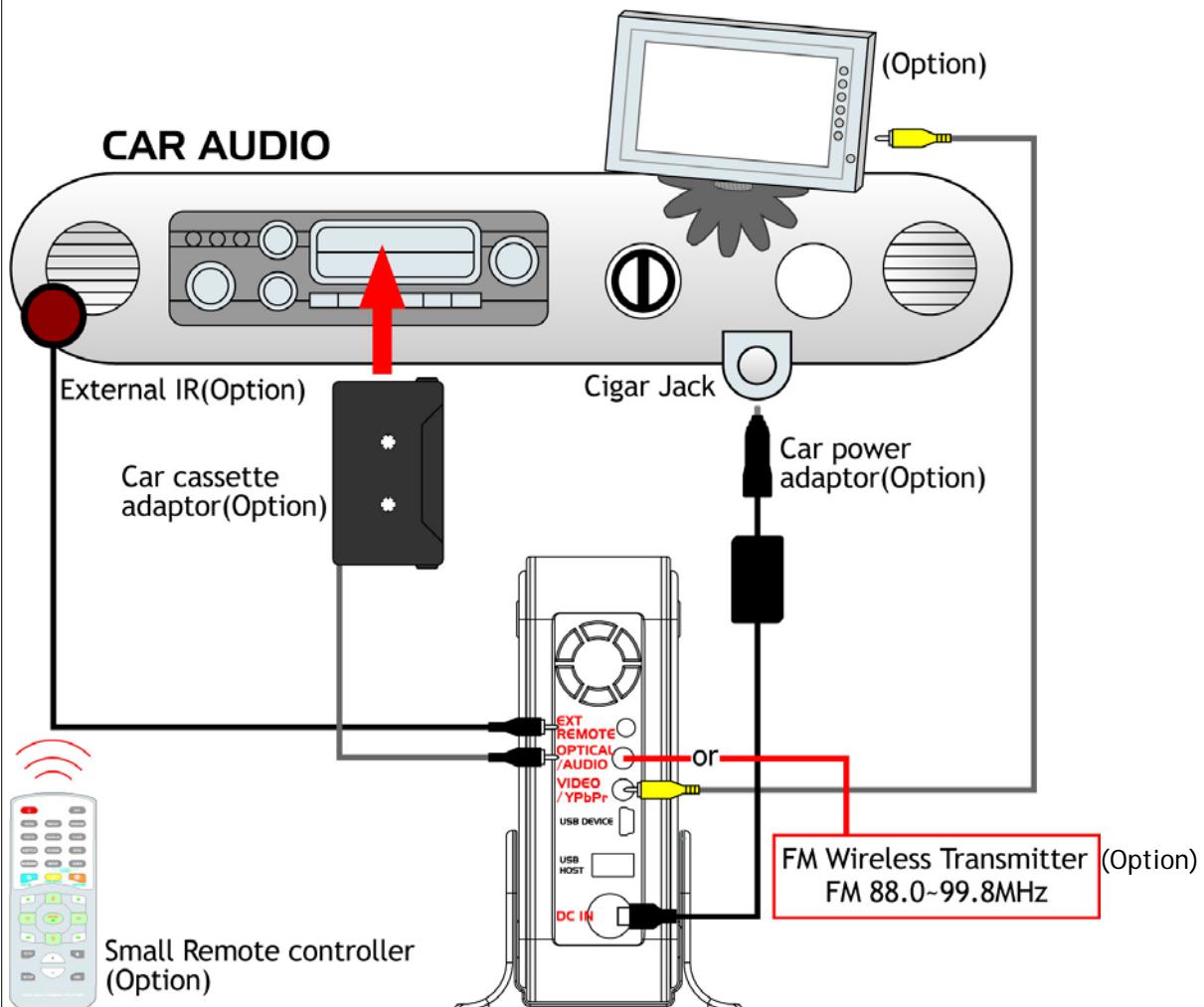


MODIX HD-3520

Connection to the Car TV

How to connect Video/Audio cable to Car TV

Take MODIX player and enjoy with you in the car! With our optional car kit, you can get rid of the dozens of CDs laying around your car by using your MODIX portable player on the road.



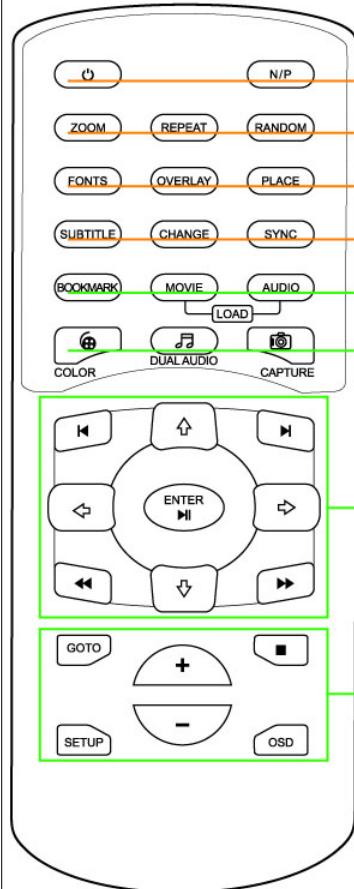
- ① Connect Video Cable into MODIX [VIDEO/YPbPr] output and CAR TV [AV IN].
- ② Connect Cassette pack Audio cable into MODIX [OPTICAL/ AUDIO] output and slide cassette pack into tape slot or use Built-in FM Wireless Transmitter for simple connection.
- ③ Connect Car Power adaptor into Cigar jack and MODIX [DC IN] output.
- ④ You can also use external remote extender for better remote control.

Car Power adaptor	INPUT / OUTPUT	DC+11V~30V/DC+12V
	Length	1 M
Ext. IR Remote Cable	Length	5 M
Car Remote Controller	Button	32 EA

* "Car TV" is not supplied.

Connection to the Car TV

Small remote controller for optional car package



- ① To switch power on or off.
- ② N/P TV out mode select(NTSC/PAL)
- ③ ZOOM Enlarge a picture on the TV screen.
- ④ REPEAT Play a single file repeatedly
Play all files in the folder repeatedly.
- ⑤ RANDOM To random playback.
- ⑥ FONTS Select the subtitle font size.
- ⑦ OVERLAY Create shadow in caption.
- ⑧ PLACE To move subtitle place up and down.
- ⑨ SUBTITLE To select smi subtitle language.
- ⑩ CHANGE To change multi-lingual subtitle.
- ⑪ SYNC To adjust smi subtitle's sync.

- ⑫ BOOKMARK Save playing time during playback.(video/audio)
- ⑬ LOAD VIDEO Direct video play for stored times.
- ⑭ LOAD AUDIO Direct audio play for stored times.
- ⑮ VIDEO Access video file select menu directly.
- ⑯ AUDIO Access audio file select menu directly.
- ⑰ PHOTO Access photo file select menu directly.
- ⑱ ▶ To play previous file/track.
- ⑲ ▶ To play next file/track.
- ⑳ ▲ ▼ ▶ ▶ Navigate up, down, left and down.
- ㉑ ENTER To select play file.
- ㉒ ▶▶ To start or pause playback.
- ㉓ ▶◀ To fast reverse.
- ㉔ ▶▶ To fast forward.
- ㉕ GOTO To go to specific position.
- ㉖ OSD To show content information being played.
- ㉗ SETUP Access setup menu directly.
- ㉘ ■ To stop playback.
- ㉙ + - To adjust the volume.

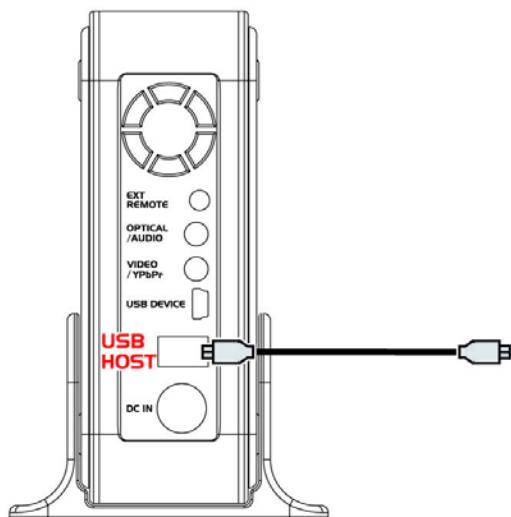
- ⚠ Don't drop the remote control and don't put it in wet place.
- ⚠ Don't expose the front panel of infrared receiver to sunshine and strong light directly.
- ⚠ When the remote becomes insensitive, please replace a new battery.



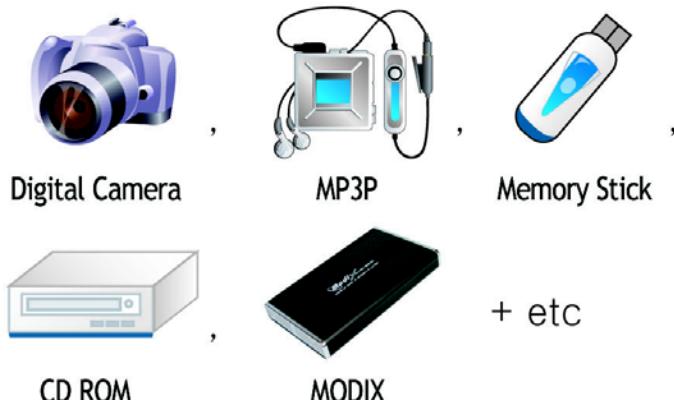
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Using of USB HOST Feature

You can play videos, music and images stored in a USB equipment such as USB-compatible hard disk or memory card reader. The following describes how to play a file stored in the USB equipment.



* Additional Power supply is required for proper play.



Setting a USB equipment

- ① Turn on the power of MODIX MediaPlayer.
- ② Turn on the power of the USB equipment.
- ③ Connect the USB equipment to the USB HOST port located in the back of MODIX MediaPlayer.
- ④ MODIX will recognize the USB equipment automatically displaying "USB ON" message.
- ⑤ Select the MOVIE, MUSIC or PHOTO data you want to play, and then press the ENTER button on the remote controller
- ⑥ To select Hard Drive file, go back to "/disk/drive?" path
- ⑦ Do not disconnect the USB equipment while a file in the USB equipment is displayed or played.

☞ If used USB HUB on the USB port, you can attach upto 4 USB equipments like "/disk/usb1", "/disk/usb2"...at the same time.

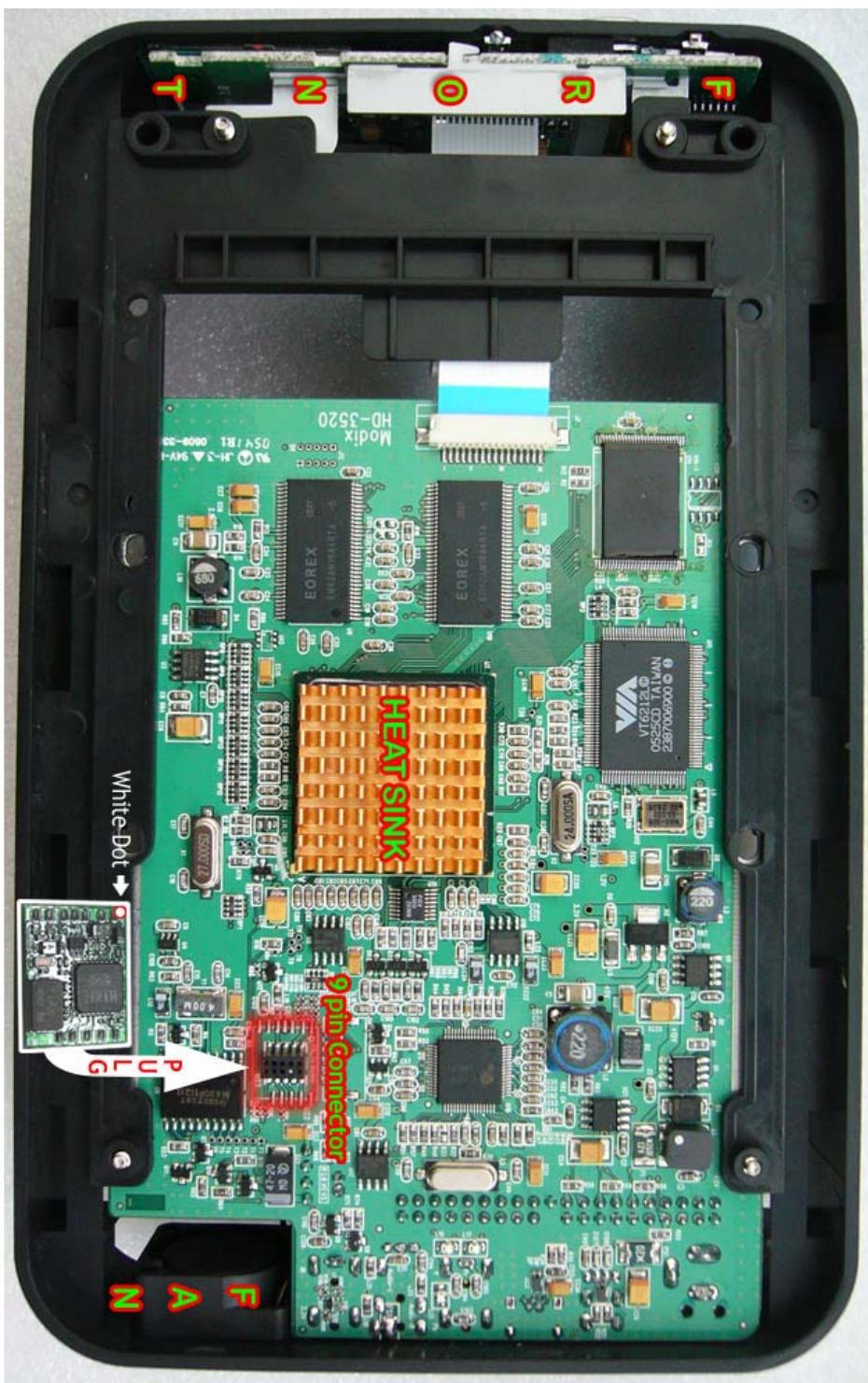
☞ When attached to USB Host port for an extended period of time, be sure to plug in the AC adapter. Low batteries can prevent the proper functioning of the USB Host.

☞ Only supports USB mass storage devices and can not support some USB devices which need to install additional driver. Some latest USB devices can be supported by upgrading the firmware later and to find out if your USB equipment is a USB mass storage device, check with the manufacturer of the equipment.

Installment of FM Wireless Transmitter

Let you listen music and audio over any FM tuner and speaker setup without clumsy or constricting audio cable hookup. It's the perfect way to simply and efficiently listen to MP3s and other formats in the comfort of your car or living room. *Supplied as optional purchasing of transmitter board.

- ③. Connect supplied FM Antenna cable into AUDIO output.
- ④. Set the radio frequency of setup option.



- ①. Uncover and locate the Media Player case as shown below.
- ②. Plug optional FM Wireless Transmitter to 9 PIN Connector.
Note that white dot on the FM Transmitter board must be placed at upper-left side.

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I Power on player

- ①. Connect AC power adaptor to player.
- ②. Plug in the AC power cord to the power outlet.
- ③. Turn on your TV & MODIX and select your TV's video input as AV mode.
- ④. Appears the main menu on your TV when you turn on the Player.

※ If your TV is blank screen, be sure to set the TV to the correct video input type(AV mode) and channel. Refer to the equipment owner's manual for detail.
※ If your TV is black & white, set the video mode correctly as NTSC/S-Video.
※ If your TV is distorted or flickering, press N/P button repeatedly to show the normal screen by this time until you see the menu again.
※ If MODIX logo appears and do not turn to Video Audio Photo select mode, please reformat as FAT32 system following above format instruction.

I Setting up player

Use the SETTING SELECTION to select the language of the menu and then confirm/modify your best audio and video settings.

- ①. Press the SETUP button on your remote control, a menu will appear with the available options.
- ②. Adjust the MODIX to your specific requirements and hardware.
- ③. Once press SETUP button again, return to main OSD.

Advanced Option	AVI Search Setting	Movie by speed(X)	Adjust FAST SKIP by 8x / 16x / 32times.
		Move by time(MIN)	Adjust FAST SKIP by 1, 5, 10, 15, 20minutes.
	Slideshow time Delay	1~ 8 Sec	Adjust slide show time interval by seconds.
	Music Background Skin	ON / OFF	While listening to music, you can enjoy JPG background.
	File sorting	Name, Date, Size	Set the sorting method of video, music and photo file.

Getting Started

AUDIO / VIDEO	NTSC TV Out:	COMPOSITE	Set when connected to composite video cable. If you can not see the correct image on the TV screen, press N/P button repeatedly until the image appears.
		HD COMPONENT	Set when connected to HD Component cable.
	COMPOSITE Out:	C/S-Video, C/YPbPr, C/RGB	Set when connected to S-Video or Component (YPbPr) video cable.
	HD-Component Out:	480p, 720p, 1080i, Off	Make sure your TV set support progressive video input before setting the MPEG4 player to progressive mode. Otherwise, a blank screen will show on your TV.
	Audio Out:	Analog / DPCM	Set when connected to Stereo cable(L/R).
		Embed Digital	Set when connected to Optical cable. The digital 5.1ch optical output will be enabled.
	FM Transmitter	88.0 ~ 99.8 MHz	Only active when FM transmitter is embedded into player and connected to any FM radio.
	TV Type	NTSC, PAL	Set the TV mode as NTSC or PAL type
Initial Setting	TV Screen Ratio	4:3 Letter Box, 4:3 Pan Scan, 16:9, 16:9 FULL	Set to normal TV, Wide screen and Auto Full Screen Display on MPEG4 files.
	OSD	English / Korean	Change the user interface language as Korean and English or other. Language can be vary according to OEM brand
	BT, CT, ST	Bright, contrast, Saturation	Adjust video color setting
	Default Setup Save		Initialize all settings to original factory setting and all your personal settings will be erased.
	Firmware Upgrade		Provides you with the latest and best features through Firmware Upgrade.



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I Basic Play of VIDEO files

- ①. Press ENTER or VIDEO to see list of file and folder the VIDEO menu screen then.
- ②. Video File and folder name will be displayed.
- ③. Select the desired file to play using direction key and press ENTER or **▶||** to play.
- ④. Press **[■]** to stop the program and turn back to previous menu.

BUTTON	EXPLANATION
	To switch power on or off
N/P	To select TV out mode (NTSC/PAL)
	Access video file select menu directly.
	Access audio file select menu directly.
	Access photo file select menu directly.
	Access setup menu directly.
	Navigate up, down, left and right.
GOTO	To go to specific position.
OK	To select play file.
OSD	To show content information being played.
	To play previous file/track.
	To play next file/track.
	To fast reverse.
	To fast forward.
	To start or pause playback.
REPEAT	Play a single file repeatedly or Play all files in the folder repeatedly
RANDOM	To random playback.
MUTE	Disables or enables sound output.
VOLUME	To adjust the volume.
BOOKMARK	Save playing time and place during playback. * This function only support to FAT32 HDD Format.
LOAD MOVIE	Direct video playback from stored Bookmark.(avi/mpg) * Press this button upon power-on in VIDEO/AUDIO/PHOTO Selection menu not during playback.
ZOOM	Enlarge a picture on the TV screen
AUTO FULL	Auto full screen mode.
FONT SIZE	Adjust the subtitle's font size.
OVERLAY	Create shadow in caption.
PLACE	To move subtitle place up and down.
SUBTITLE	To select (*.smi, *.srt, *.sub, *.txt) subtitle language.
LANGUAGE	To change multi-lingual.
SYNC	To adjust smi subtitle's sync.

Basic Operation

I Basic Play of MUSIC files

- ①. Press ENTER or AUDIO to see list of file and folder the AUDIO menu screen.
- ②. Audio File and folder name will be displayed.
- ③. Select the desired file to play using direction key and press ENTER or **▶||** to play.
- ④. During playing MP3, you may press **[■]** to stop the program and turn back to previous menu.

BUTTON	EXPLANATION
	To switch power on or off
	Access video file select menu directly.
	Access audio file select menu directly.
	Access photo file select menu directly.
	Access setup menu directly.
	Navigate up, down, left and right.
OK	To select play file.
OSD	To show content information being played.
	To play previous file/track.
	To play next file/track.
	To fast reverse.
	To fast forward.
	To start or pause playback.
REPEAT	Play a single file repeatedly or Play all files in the folder repeatedly
RANDOM	To random playback.
MUTE	Disables or enables sound output.
VOLUME	To adjust the volume.
BOOKMARK	Save playing time and place during playback. * This function only support to FAT32 HDD Format.
LOAD AUDIO	Direct music play from stored Bookmark.(mp3) * Press button upon power-on in VIDEO/AUDIO/PHOTO Selection menu not during playback.

I Background Skin while listening music

While listening to music, you can enjoy JPG background.

- ①. Locate any JPG photos into same MP3 music folder.
- ②. Press **[▶||]** button in the MP3 music folder to enjoy JPG Background Skin.
- ③. Note that "Music Background Skin" must be ON in Advanced setting option.



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Basic Play of PHOTO files

- ①. Press ENTER or PHOTO to see list of file and folder the PHOTO menu screen.
- ②. Photo File and folder name will be displayed.
- ③. Select the desired file to play using direction key and press ENTER or **▶** to play.

BUTTON	EXPLANATION
Power	To switch power on or off
◀ ▶ ▲ ▼	Navigate up, down, left and right.
OK	To select play file.
◀◀ ▶▶	To play previous file/track. To play next file/track.
▶▶	To start slide show.
■	To stop playback.
RANDOM	To random playback.
ZOOM	Enlarge a picture on the TV screen.
CAPTURE	To change and customizing Main OSD image to your favorite photo. To return to original Skin, press again. * This function only support to FAT32 HDD Format and 720x480 size.

Support Password setting per each folder

Set of password

- ①. Locate the cursor key on the folder which you would like to set password.
- ③. If pressed [**▶**] button on the remote, Displays "password setting" message box.
- ④. Press 4 numeric passwords with **◀ ▶ ▲ ▼** button and will close message box confirming the password.

Cancel of password

- ①. Locate the cursor key on the folder which you would like to cancel password.
- ②. If Pressed [**▶**] button on the remote, will display "password setting" message box again.
- ④. Click [Cancel] box then will cancel established password.

- ❖ You can establish passwords by each folder.
- ❖ Only supports to hard disk formatted as FAT32 partition.
- ❖ Can not use password function by limitation of writing of NTFS hard format.
- ❖ In case you forget password, remove password files

Firmware Upgrade

MODIX provides you with the latest and best features through Firmware Upgrade. After you have completed the upgrade procedure, your player will typically perform better.

Firmware Upgrade Instructions

- ① Firstly Confirm the installed firmware version right-below corner in the setup screen after pressing Setup button. It is advisable to install latest firmware version for better performance.
ex) V.5.03.09 → This version generated at March 9, 2005
- ② Connect the MediaPlayer to a PC with the USB Cable. Please see page 14 for how to connect the product to a PC.
- ③ Download the latest Firmware file from the company website www.MODIX.co.kr
- ④ Uncompress and copy from the downloaded file to the desired location of the MediaPlayer drive.
- ⑤ Disconnect the USB cable from the player.
- ⑥ Connect the AC adapter/ A/V Cable again and power on the Medioplayer.

 Make sure the power is on while upgrading the firmware.

- ⑦ Select "Firmware Upgrade" on the Setup Initial Setting Menu after pressing "SETUP" button.
- ⑧ You can see file navigation screen and Enter the firmware file which you would like to upgrade and press  to start upgrade.
- ⑨ "Firmware Upgrading..." for about 5 minutes and all screens will be erased until f/w upgrade finishing.

 Never turn off the power while the firmware is being updated Doing so may cause damage to the hardware.

- ⑩ Upgrade is complete when the player powers on again automatically and confirm the firmware version .



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Frequently asked Questions

More questions and answers are available from our website.

Just visit the support site at: www.MODIX.co.kr

USB Connections

Why can't I see the drive in the file manager after I reboot my computer?

✖ ① Make sure the assembled HDD is installed correctly, and that the USB cable is connected to your computer. ② It may because the USB 2.0 driver is not installed correctly. Re-install the driver and reboot your computer. ③ The hard disk is not formatted and formats your hard disk drive with FAT32 formatter downloaded from our homepage.

Driver is not displayed or an..! Icon is displayed to the left of the driver in the device manager.

✖ ① Player is not connected properly. Check that the USB cable is fully inserted into the USB port. ② The support software is not properly installed. UNINSTALL the USB driver once and reinstall it again.

Why can't I see the drive in the file manager after installing the USB 2.0 driver under Windows 98 ?

✖ ① Click the "start" icon located in the lower left corner of the Windows task bar. Click on "Settings", then "Control Panel". Select and click on "System" in the "Control Panel" window. ② From the "System Properties" window, click on "Hard disk controllers". Select the new HDD unit with the right mouse button to view the "Properties" screen. Select "Disable this hardware profile" in "Device usage". Click "OK".

I got a message that "The generic USB Hub is a HI-SPEED USB device and will function at reduced speed when plugged into a non hi-speed port. There are no HI-SPEED USB host controllers installed on this computer. You must add a HI-SPEED host controller to this computer to obtain maximum performance." in XP.

✖ In order to reach USB 2.0 speed, you must have a computer or host adapter card that has USB 2.0 support.

TV Connections

TV is blank screen or distorted?

✖ Be sure to set the TV to the correct video input type(AV Mode) and channel. Refer to the equipment owner's manual for detail. And press N/P button repeatedly to show the normal screen by this time until you see the menu again.

Frequently asked Questions

My picture is in black and white?

❖ Enter the setup menu and go to the video menu and change the settings here to fit your TV screen, this usually happens if the player is set to use s-video instead of Component.

When I power on player, the MODIX logo appears and do not turn to Video Audio Photo select mode?

Please download 『FAT32 Format Program』 from our web site and format hard drive before you connect to your system. Next check hard drive jumper pin as MA(master) and primary partition option.

Can I format hard disc as FAT32 system larger 32GB in Windows XP?

❖ Windows 2000 and Windows XP can not recognize hard drive formatted FAT32 system larger than 32GB using the Disc Management Utility or the Format Commander Utility since 32GB is the maximum HDD size enabling to be formatted as FAT32 partition. Or you can still use a HDD which is formatted as FAT32 system on Windows 98 SE or ME.

Playing File

Some of my DivX freezes in high action scenes or when there is a lot going on in the picture.

❖ This can occur and it do not mean that there is something wrong with the player. It is simply because of the motion level in the movie, the player will resume playing the movie after a few seconds. The only thing you can do is to convert the files to another format.

Some of my Divx/ Xvid files do not have any sound?

❖ This can be caused by many things, make sure that you have set the Encoded digital out correctly in the player's setup menu. That the file actually have sound. It can also be because the file uses an unsupported audio codec. A/V receiver and cables required.

I have problems playing DivX 3.11 with Ac3 or MP3 VBR sound?

❖ This can be an interleaving issue, please run the file through a program like virtual Dub. Run a direct stream copy of both Audio and Video.

Some JPG files not supported?

❖ Some non-standard JPEG files may not be displayed. Please use "save as..." option with graphic software.

Do I have to install all firmware updates?

❖ No you only need to install the latest firmware to get all the new features.

How do I check which firmware that is installed on my MODIX?

❖ You can check which firmware version is installed by pressing the setup button on the remote control and then the player will write the firmware version in right-below of the setup menu.



MODIX HD-3520

Contact Us

If you experience a technical problem with one of our MODIX products, please consult the FAQ section on this site to see if your question is listed there. If it is not listed, or if it is listed but the answer provided did not solve the problem, please contact us;

E-mail Support: modix@modix.co.kr

Phone Support: 82-31-702-1283

We are here to assist you 9 am-6 pm Pacific Time, Monday-Friday.

Please visit our website at www.modix.co.kr

DTS INFOCOM CO., LTD.

C-409, Bundang Techno-Park, 145, Yatap-dong, Bundang-gu, Sungnam City, Kyounggi-do, KOREA

Please note: If in need of technical assistance, do not send products to DTS INFOCOM and the address printed on this instruction manual. Please contact the location at point of purchase.

Thank you.



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